# MULTIPLE PORTS ETHERNET SWITCH CHIP AND DAISY CHAIN TEST FOR MULTIPLE PORTS ETHERNET SWITCH CHIP

5

## ABSTRACT OF THE DISCLOSURE

A single chip Ethernet switch integrated with physical

10      layer entity is switched between a normal mode and a daisy chain

test mode by a mode select signal.   Under the daisy chain test

mode, each port of the switch is connected to a passive loop-back

device, other than a start transmission port and a stop receiving

port.   A test packet is supplied to the start transmission port and

15      transmitted eventually from the start transmission port to the stop

receiving port through each port of the switch with initialization of

an address table and a packet source address learning process.